

## ABSTRACT

Methods and computer software products are provided for analyzing gene expression data. In one embodiment, non-parametric statistics is used to determine whether a transcript is detected in a sample.

1. A method for analyzing gene expression data, comprising:  
2. receiving a set of gene expression data;  
3. determining a non-parametric statistic for the set of gene expression data;  
4. determining whether a transcript is detected in a sample based on the non-parametric statistic;  
5. outputting a result indicating whether the transcript is detected in the sample.